



# Asgrow Brand Soybeans

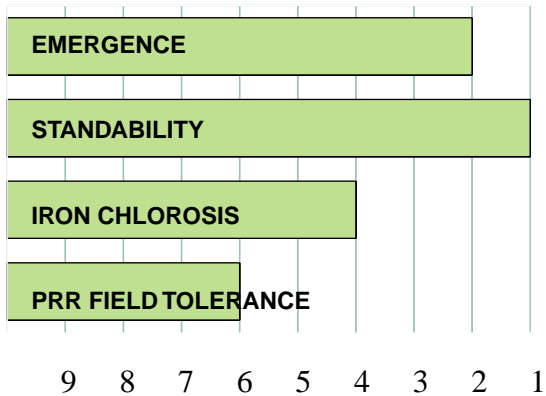
## AG2108



**NEW** AG2108 EARLY II

Asgrow® brand AG2108 is an early group II Roundup Ready® soybean that has very good iron chlorosis tolerance with moderate resistance to soybean cyst nematode. This variety has an attractive plant type with excellent standability and emergence.

Product Characteristics		
Category	Characteristic	Value
MANAGEMENT	Maturity Group	2
	Relative Maturity	2.1
	Herbicide Tolerant Trait	RR
	Processor Preferred <sup>+</sup>	-
P L A N T DESCRIPTION	Plant Type	M
	Growth Habit	-
	Flower Color	P
	Pubescence Color	G
	Hilum Color	IB
	Pod Wall Color	TN
	Plant Height (in.)	36
	Approx. Size (Seeds/Lb.)	2900*
	Protein Content <sup>1</sup> 13%	33.3*
	Oil Content <sup>1</sup> 13%	19.8*
PRODUCTION	Emergence	2
	Standability	1
	No-till Adaptability	2
	Iron Chlorosis	4*
DISEASES/INSECTS	Soybean Cyst Nematode	MR3*
	PRR Resistance	Susc.
	PRR Field Tolerance	6*
	White Mold	-
	Brown Stem Rot	-
	Sudden Death Syndrome	-
	Southern Stem Canker	-
	Frogeye Leaf Spot	-
Aerial Blight	-	
SENSITIVITY	Southern Root Knot ( <i>M. incognita</i> )	-
	Chloride Sensitivity	-
	Propanil Sensitivity	-



### Key Strengths

- High yield potential coupled with very good iron chlorosis tolerance
- Excellent emergence and standability
- Moderate resistance to race 3 soybean cyst nematode

### Management Tips

- Medium-tall plant type with good lower branching
- Brown stem rot resistance not likely; white mold tolerance unknown
- Package with AG1802, AG2002, or AG2107 for SCN and high pH

Asgrow®, Roundup Ready®, Roundup UltraMAX® II, Roundup WeatherMAX® and TranSorb® II are trademarks of Monsanto Technology LLC.

These seeds are protected under one or more of the following United States Patent nos. 4,940,835; 5,188,642; 5,352,605; 5,530,196; 5,633,435; 5,717,084; 5,728,925; and 5,804,425. The purchase of these seeds conveys no license under said patents to use these seeds or perform any of the methods covered by these patents. A license must first be obtained before these seeds can be used in any way. See your Seed Dealer to sign a Monsanto Technology/Stewardship Agreement or to obtain a Limited Use Invoice License. Progeny of these seeds cannot be used for replanting or transferred to others for replanting.

PATENT: Pending  
Patented germplasm is licensed only to grow a single commercial crop of harvested material for use or sale for food, feed, processing or fiber. No license is granted for subsequent generations of seed or plants for any purpose.

Based on Asgrow-conducted trials. Relative to other +data.getBrand().getName()+ brand products. Rating Scale: 1=Excellent, 9=Poor. Tolerance ratings refer to PRR races not covered by specific PRR resistant genes.

## Asgrow Brand Soybean Legend

### Rating Scale:

- 1 = Excellent
- 9 = Poor
- \* = Preliminary Screening
- NEW** = '06 Elites
- = Not Available

A rating of "1" in standability is a soybean product with excellent standability. A rating of "1" in brown stem rot is a product with excellent tolerance to brown stem rot.

PP = Processor Preferred® 

### Herbicide Tolerant Traits:

- RR<sup>1</sup> = Roundup Ready®
- Blank = None
- RR<sup>1</sup>/STS = Stacked Roundup Ready and STS®

<sup>1</sup>Seeds containing the Roundup Ready trait are protected under numerous United States Patents, including Patent No. 5,352,605. It is unlawful to save Roundup Ready Soybeans for planting or transfer to others for use as planting seed.

### Germplasm Patent:

- P = Pending
- G = Granted
- N = None

Patented germplasm is licensed only to grow a single commercial crop of harvested material for use or sale for food, feed, processing or fiber. No license is granted for subsequent generations of seed or plants for any purpose.

### Soybean Cyst Nematode:

- S = Susceptible
- R = Resistance
- MR = Moderate Resistance
- ^ = University Data Only
- # = Race 1, 3, 5, 9 or 14

A recent publication suggests that soybean cyst nematode populations should be described by a different method called HG type, instead of races. The Race 3 population used in our evaluations would be equivalent to "HG Type 0" and the Race 14 population would be equivalent to "HG Type 1.3" under the direction of the paper.

### Phytophthora Gene Specific Resistance:

Susc. = Susceptible  
 Rps1<sup>a</sup> denotes resistance to Races 1, 2, 10, 11, 13-18, 24, 26, 27, 31, 32 & 36.  
 Rps1<sup>c</sup> denotes resistance to Races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34 & 36.  
 Rps1<sup>k</sup> denotes resistance to Races 1-11, 13-15, 17, 18, 21-24, 26, 36 & 37.  
 Rps2 denotes resistance to Races 1-5, 9-29, 33, 34, 36-39. Rps3<sup>a</sup> denotes resistance to Races 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 28, 29 & 31-35.  
 Rps6 denotes resistance to Races 1-4, 10, 12, 14-16, 18-21 & 25.  
 Rps7 denotes resistance to Races 2, 12, 16, 18, 19, 33, 35 & 36.

### Phytophthora Field Tolerance:

Reaction to Phytophthora sojae Race 25 for commercial genes Rps1<sup>a</sup>, Rps1<sup>c</sup>, Rps1<sup>k</sup> and Rps7.  
 Reaction to Phytophthora sojae Race 30 for commercial genes Rps2, Rps3<sup>a</sup> and Rps6.

### Southern Root Knot

- MR = Moderate Resistance
- S = Susceptible
- MS = Moderately Susceptible

### Flower Color

- P = Purple
- W = White

### Pubescence

- G = Gray
- T = Tawny
- LT = Light Tawny

### Hilum Color

- BL = Black
- G = Gray
- IB = Imperfect Black
- IY = Imperfect Yellow
- BR = Brown
- BF = Buff
- Y = Yellow

### Pod Wall Color

- BR = Brown
- TN = Tan

### Plant Type

- Th = Thin
- M = Medium
- B = Bushy

### Protein and Oil Content

Percentages are recorded on a 13% moisture basis. Protein and oil percentages represent an average of multiple observations. Actual values vary with environmental conditions, geographical area and management practices.

\*Processor Preferred® indicates that these soybean products have been offered a premium for their seed composition from specific grain buyers.

Go to [www.asgrow.com](http://www.asgrow.com) and click on the Processor Preferred link for up-to-date Processor Preferred programs.



## Contact Us At:

1-800-768-6387 or visit  
our online seed catalog  
at [www.asgrow.com](http://www.asgrow.com)  
or [www.dekalb.com](http://www.dekalb.com)

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Before opening a bag of seed, be sure to read and understand the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Monsanto Technology Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with those stewardship requirements.



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**Know Before You Grow**, an information service provided by National Corn Growers Association at [www.ncga.com](http://www.ncga.com).

Growers should refer to Monsanto's Technology Use Guide for information on crop stewardship regarding the potential movement of pollen to neighboring crops. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Know Before You Grow® is a service mark of National Corn Growers Association. For more information call 1-866-SELL CORN.

IMPORTANT: The following information is current as of April 17, 2007: YieldGard Plus, YieldGard Rootworm with Roundup Ready Corn 2 and YieldGard Corn Borer with Roundup Ready Corn 2 are grandfathered for import and use in processed feed in the E.U. YieldGard Plus with Roundup Ready Corn 2, YieldGard VT Rootworm/RR2 and YieldGard VT Triple are neither approved nor grandfathered and there is zero tolerance for these traits in processed feed imported in the E.U. Growers of all products bearing the Market Choices mark must talk to their grain handler to confirm the handler's buying position for grain from these products. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted.

## Always Read and Follow Label Directions for All Products

Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® agricultural herbicides. Roundup® agricultural herbicides will kill crops that are not tolerant to glyphosate. Asgrow® and the A Design, Bullet®, EasyFILL™, INTRRO®, Lariat®, Powerful Science. Powerful Seed.™, Processor Preferred®, Residue Proven®, Respect the RefugeSM, Roundup®, Roundup Ready®, Roundup Rewards®, Seed To Feed®, SilageProven™, Vistive™, We Breed Better Beans™, YieldGard®, YieldGard VT and Design™, YieldGard VT Rootworm/RR2™, YieldGard VT Triple™ and YieldMaker™ are trademarks of Monsanto Technology LLC. DEKALB®, DEKALB® and the Winged Ear Design, and Strong Roots. Strong Yields.® are registered trademarks of DeKalb Genetics Corporation. Poncho® is a registered trademark of Bayer AG. All other trademarks are the property of their respective owners.

YieldGard® corn products are not yet registered in all states. Check with your Monsanto representative for the registration status in your state.

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Roundup Ready Corn 2 technology is covered under one or more of the following U.S. Patent Nos.: 4,940,835; 5,188,642; 5,359,142; 5,196,525; 5,322,938; 5,164,316; 5,352,605; 5,554,798; 5,593,874; 5,859,347; 5,424,412; 5,804,425; 5,641,876; 5,717,084; 5,728,925; 6,083,878; 6,025,545; 6,825,400 and RE39,247.

Roundup Ready soybeans technology is covered under one or more of the following U.S. Patent Nos.: 4,940,835; 5,188,642; 5,352,605; 5,530,196; 5,717,084; 5,728,925; 5,804,425 and RE39,247.

YieldGard Corn Borer technology is covered under one or more of the following U.S. Patent Nos.: 5,484,956; 5,352,605; 5,424,412; 5,859,347; 5,593,874; 6,180,774; 6,331,665 and 7,064,248.

YieldGard Rootworm technology is covered under one or more of the following U.S. Patent Nos.: 5,110,732; 5,023,179; 6,174,724; 5,484,956; 5,352,605; 6,331,665; 6,063,597; 6,501,009, 6,620,988, 6,642,030, 7,064,248, and RE39,580.

YieldGard Plus technology is covered under one or more of the following U.S. Patent Nos.: 5,023,179; 5,110,732; 5,352,605; 5,484,956; 5,424,412; 5,859,347; 5,593,874; 6,063,597; 6,174,724; 6,180,774; 6,331,665, 6,501,009, 6,620,988, 6,642,030, 7,064,248, and RE39,580.

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